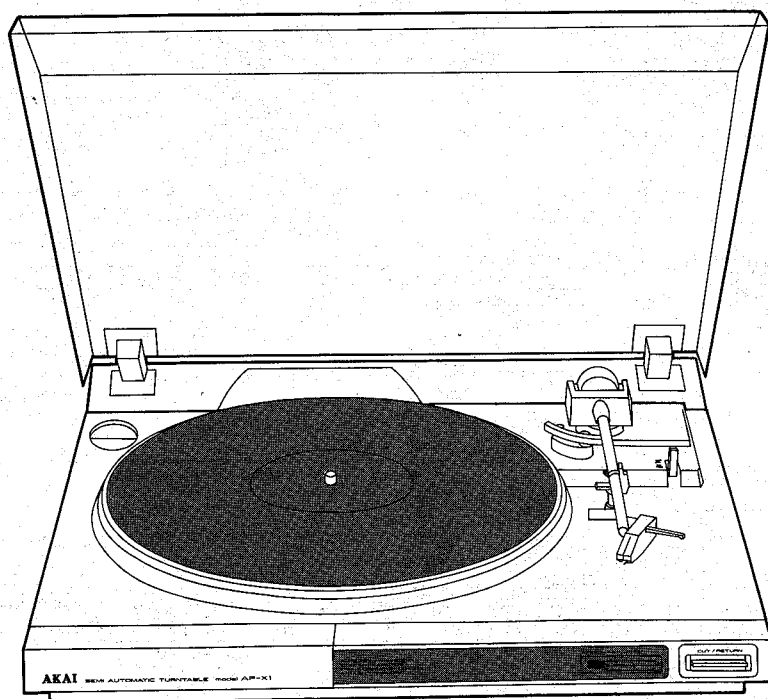


# AKAI SERVICE MANUAL



SEMI AUTOMATIC TURNTABLE

MODEL **AP-X1/C**

## **ABBREVIATIONS FOR SERVICE MANUAL MODEL AP-X1/C**

| <b>ABBREVIATION</b> | <b>EXPLANATION</b>                        |
|---------------------|---|
| AC                  | Alternating Current                       |
| ADJ                 | ADJustment                                |
| DC                  | Direct Current                            |
| D.D. motor          | Direct Drive motor                        |
| FG                  | Frequency Generator                       |
| H (level)           | High                                      |
| HE.                 | Hall Element                              |
| L (level)           | Low                                       |
| LIM                 | LIteMiter                                 |
| SHC                 | Sample & Hold with Capacitor              |
| SHCR                | Sample & Hold with Capacitor and Resistor |
| SW                  | SWitch                                    |
| TPG                 | Timing Pulse Generator                    |
| V REF.              | Voltage REference                         |



## SEMI AUTOMATIC TURNTABLE

MODEL **AP-X1/C**

|           |                      |    |
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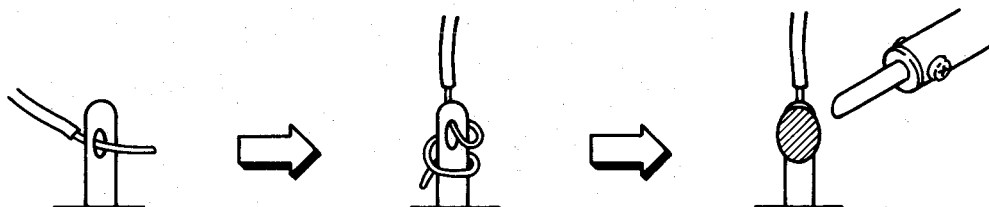
# SAFETY INSTRUCTIONS

## SAFETY CHECK AFTER SERVICING

Confirm the specified insulation resistance between power cord plug prongs and externally exposed parts of the set is greater than 10 Mohms, but for equipment with external antenna terminals (tuner, receiver, etc.) and is intended for **C** or **A**, specified insulation resistance should be more than 2.2 Mohms (ground terminals, microphone jacks, headphone jacks, line-in-out jacks etc.)

## PRECAUTIONS DURING SERVICING

1. Parts identified by the **Δ** symbol parts are critical for safety.  
Replace only with parts number specified.
2. In addition to safety, other parts and assemblies are specified for conformance with such regulations as those applying to spurious radiation. These must also be replaced only with specified replacements.  
Examples: RF converters, tuner units, antenna selector switches, RF cables, noise blocking capacitors, noise blocking filters, etc.
3. Use specified internal wiring. Note especially:
  - 1) Wires covered with PVC tubing
  - 2) Double insulated wires
  - 3) High voltage leads
4. Use specified insulating materials for hazardous live parts. Note especially:
  - 1) Insulation Tape
  - 2) PVC tubing
  - 3) Spacers (Insulating Barriers)
  - 4) Insulation sheets for transistors
  - 5) Plastic screws for fixing microswitch (especially in turntable)
5. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.), wrap ends of wires securely about the terminals before soldering.

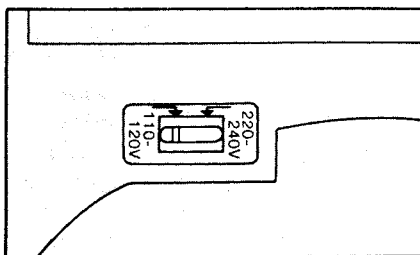


6. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.).
7. Check that replaced wires do not contact sharp edged or pointed parts.
8. Also check areas surrounding repaired locations.
9. Use care that foreign objects (screws, solder droplets, etc.) do not remain inside the set.

## VOLTAGE CONVERSION

Models for USA, CANADA, EUROPE, UK and AUSTRALIA are not equipped with this facility, each machine is preset at the factory according to it's destination, but **U** model can be set to 110V ~ 120V or 220V ~ 240V as required. If the machine's voltage can be converted.

1. Disconnect AC power cord.
2. Remove the rubber mat and platter. (Refer to II. Dismantling of unit)
3. Move the VOLTAGE SELECTOR located on the top of the cabinet with a screw driver where the correct voltage is indicated.



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SECTION 1


**SERVICE MANUAL**

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For basic adjustments, measuring methods, and operating principles, refer to GENERAL TECHNICAL MANUAL.

# I. SPECIFICATIONS

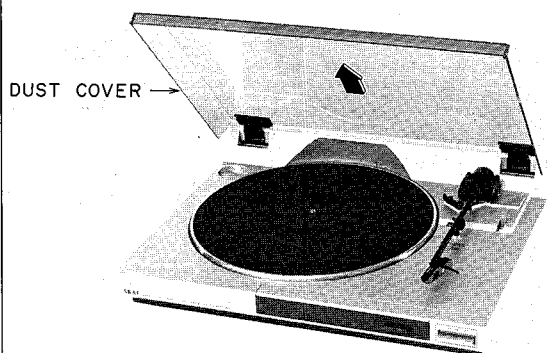
|                             |  |
|-----------------------------|--|
| TURNTABLE (PLATTER)         | Aluminum alloy diecast   |
| DRIVE SYSTEM                | Belt drive   |
| MOTOR                       | FG servo DC motor  |
| SPEED                       | 33-1/3 & 45 rpm  |
| WOW & FLUTTER               | 0.05% (WRMS)   |
| RUMBLE                      | 70 dB (DIN-B)  |
| TO NEARM                    | Static balanced type   |
| EFFECTIVE ARM LENGTH        | 220 mm   |
| STYLUS PRESSURE             | 1.25 g (fixed)   |
| APPLICABLE CARTRIDGE WEIGHT | 5.9 g  |
| ARM LIFTER                  | Oil damped   |
| OVER HANG                   | 15 mm  |
| CARTRIDGE                   | VM type (PC-35/  plug-in type/cartridge is included with the AP-X1-C only)          |
| OUTPUT VOLTAGE              | 2.5 mV   |
| CHANNEL SEPARATION          | more than 20 dB  |
| OPTIMAL STYLUS PRESSURE     | 1.25 g   |
| POWER REQUIREMENTS          | 120V, 60 Hz for USA & Canada<br>220V, 50 Hz for European except UK<br>240V, 50 Hz for UK & Australia<br>110 – 120V/220 – 240V 50/60 Hz convertible for other countries |
| DIMENSIONS                  | 440 (W) x 103 (H) x 345 (D) mm<br>(17.3 x 4.1 x 13.6 inches)   |
| WEIGHT                      | 3.4 kg (7.5 lbs)   |

\* For improvement purposes, specifications and design are subject to change without notice.

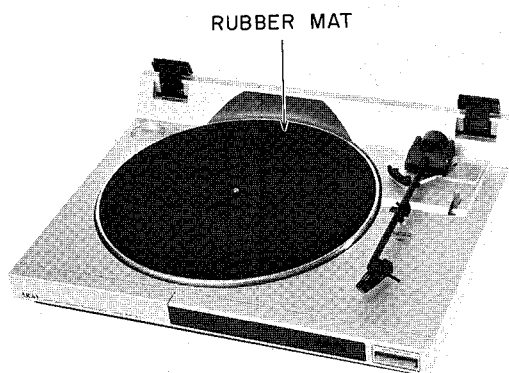
## II. DISMANTLING OF UNIT

In case of trouble, etc. necessitating dismantling, please dismantle in the order shown in the photographs. Reassemble in reverse order.

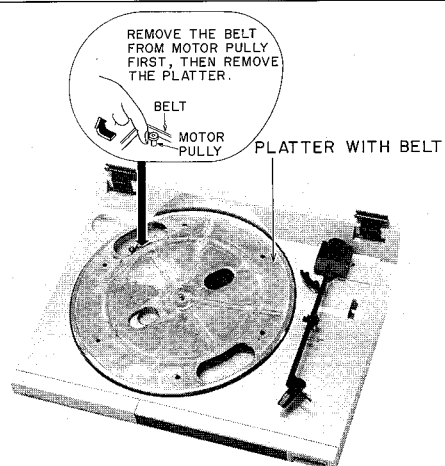
1



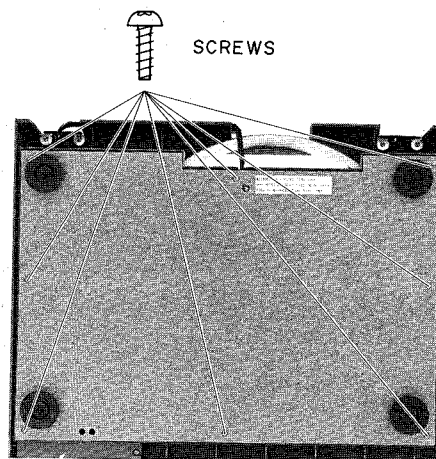
2



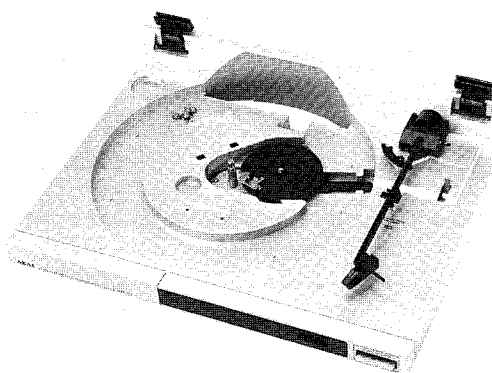
3



4



5



### III. CONTROLS

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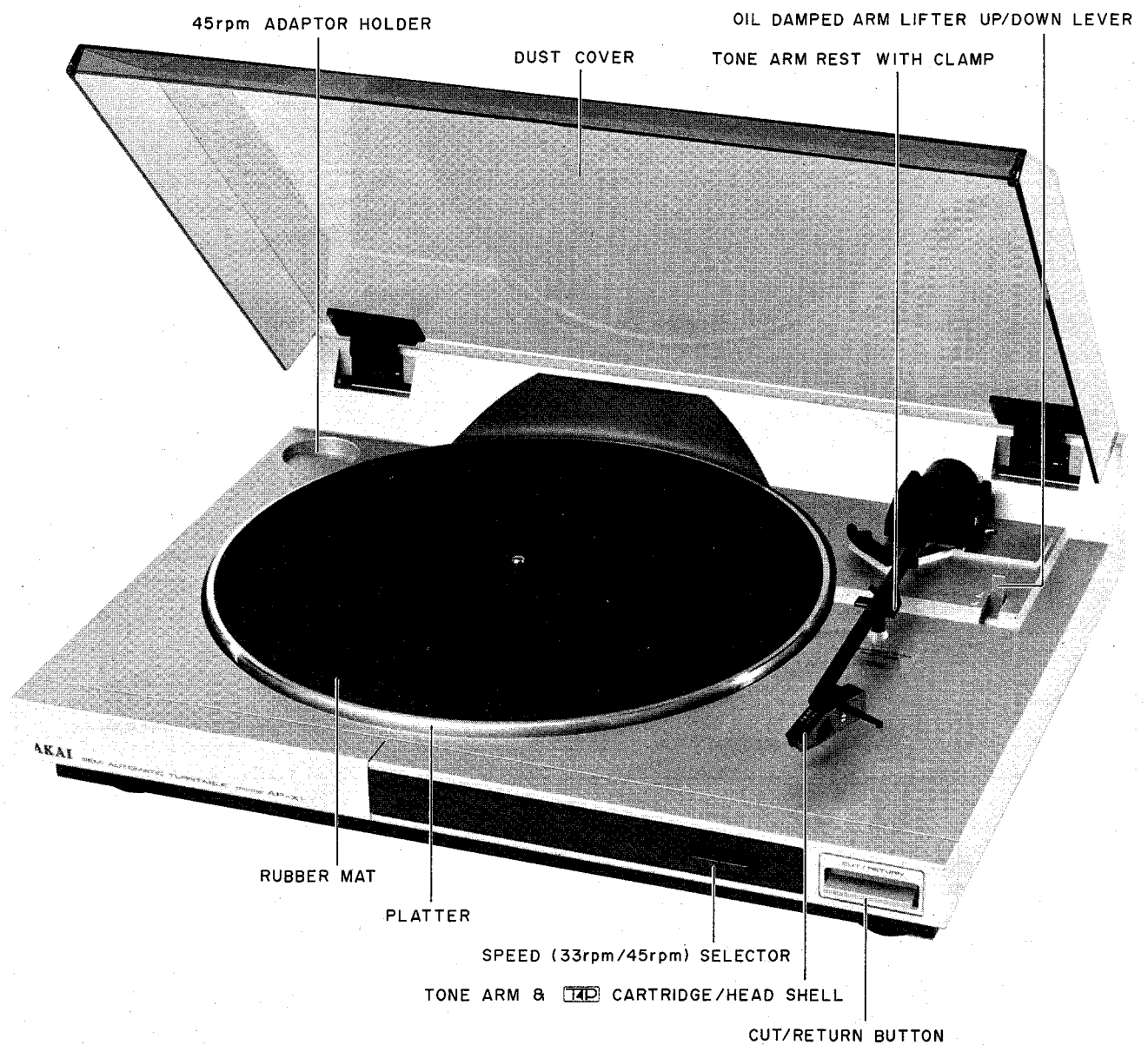


Fig. 3-1



## IV. PRINCIPAL PARTS LOCATION

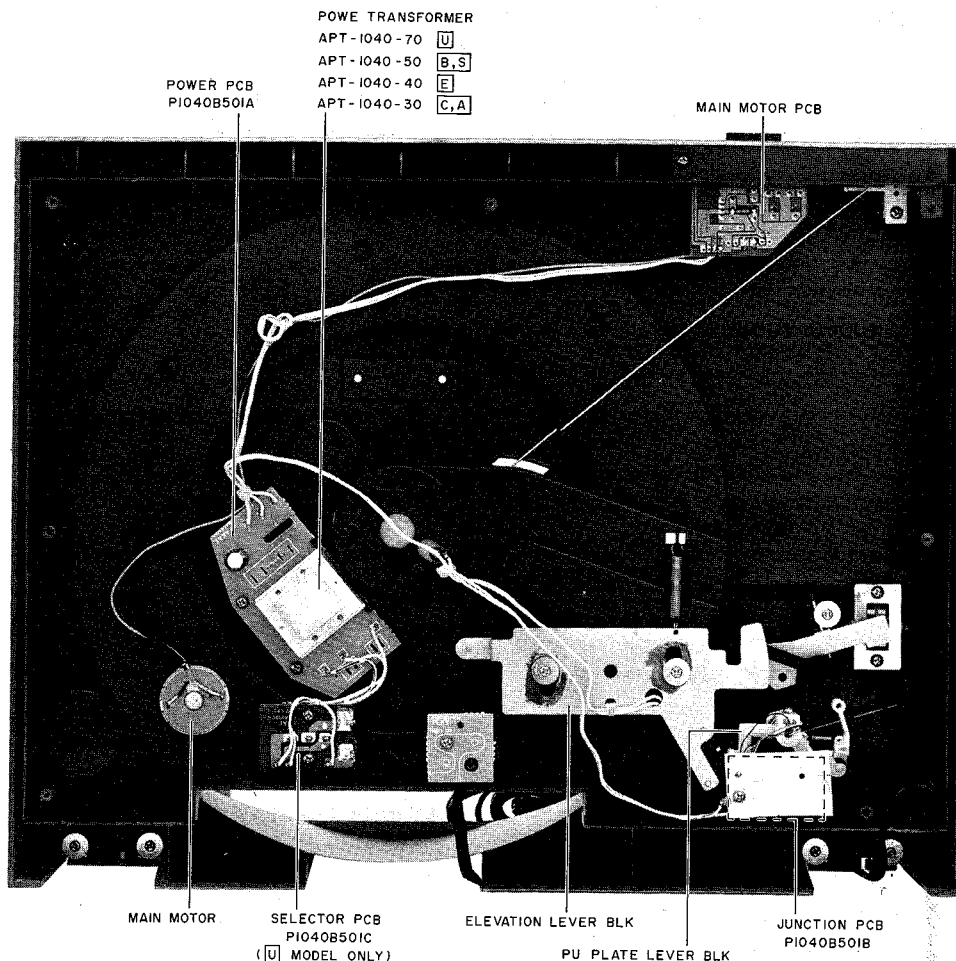


Fig. 4-1

## V. REPLACEMENT OF CARTRIDGE AND TONE ARM ASSEMBLY

### 5-1 HOW TO CHANGE OR INSTALL THE CARTRIDGE (Refer to Fig. 5-1)

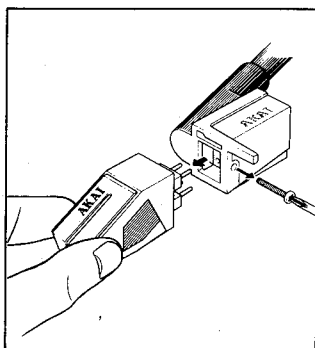


Fig. 5-1

With the tone arm on the tone arm rest and clamped, remove the screw on the side of the tone arm (directly behind the cartridge) by using a screwdriver.

After removing the screw, grasp the cartridge firmly and pull it forward, away from the tone arm, until it is free. Replace the new cartridge by reversing the above operation.

In order to enjoy the full capability of the Akai AP-X1, please note the following when changing the cartridge.

- Replace the cartridge with one which has the same output voltage (2.5mV/1 kHz, 5cm/sec peak).
- [14P] is the standard mark for plug-in connectors. Connectors with this mark are compatible with each other. The Akai AP-X1C is equipped with a high quality VM cartridge, but any cartridge with the [14P] mark can be used.
- Let's protect the records  
 Do not touch the grooves when handling the record. Dirty grooves will produce distortions. Store records standing in a well ventilated place, relatively free of dust.
- Don't interrupt any movement  
 Do not touch the tone arm or the platter and do not turn off the power under the following conditions:
  - During record playback
  - When the tone arm is moving automatically
  - When the platter is turning
- Be sure.  
 The ARM LIFTER is in the down (▼) position before attempting to clamp the tone arm to the tone arm rest.

## 5-2 HOW TO REPLACE THE TONE ARM ASSEMBLY

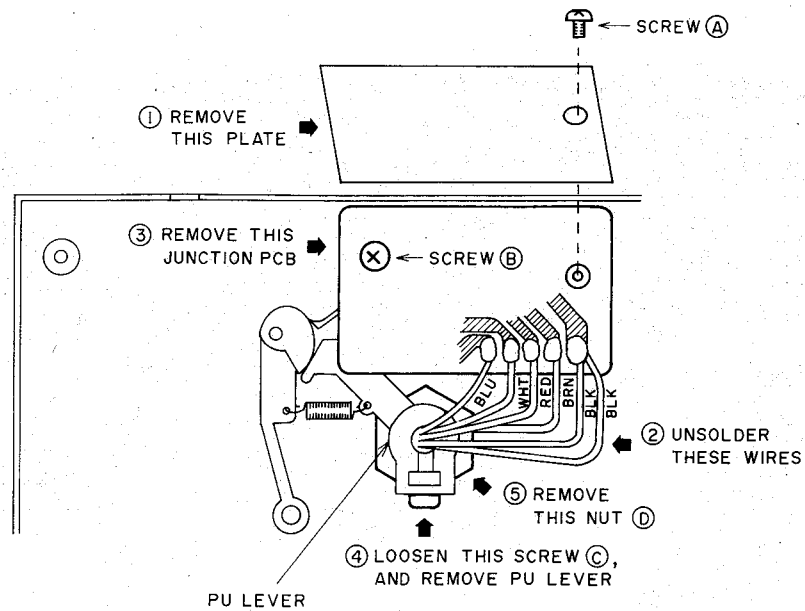


Fig. 5-2

- 1) Unscrew (A) and remove the shield plate.
- 2) Remove the wires from Tone Arm Assembly.
- 3) Unscrew (B) and remove the JUNCTION PCB.
- 4) Loosen screw (C) and remove the PU lever.
- 5) Unscrew the Nut (D) and Remove the Tone Arm Assembly.
- 6) Install the New Tone Arm Assembly and do the reverse way.

After replaced the Tone Arm, PU LEVER position Adjustment is necessary as follow.

- 3) Turn the PU LEVER so that the corner of those PU LEVER and Micro Switch are coincide as shown in Fig. 5-3.
- 4) Tighten the screw (C).
- 5) Move the Tone Arm to the spindle side, and confirm that micro switch is switched "ON" at about center between Tone Arm Rest position and Platter as shown in Fig. 5-4.

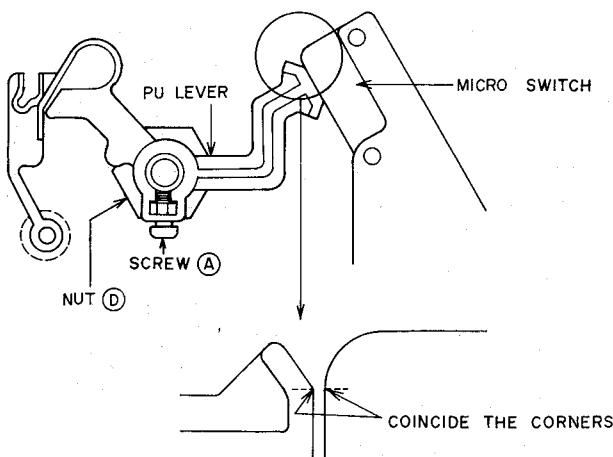


Fig. 5-3

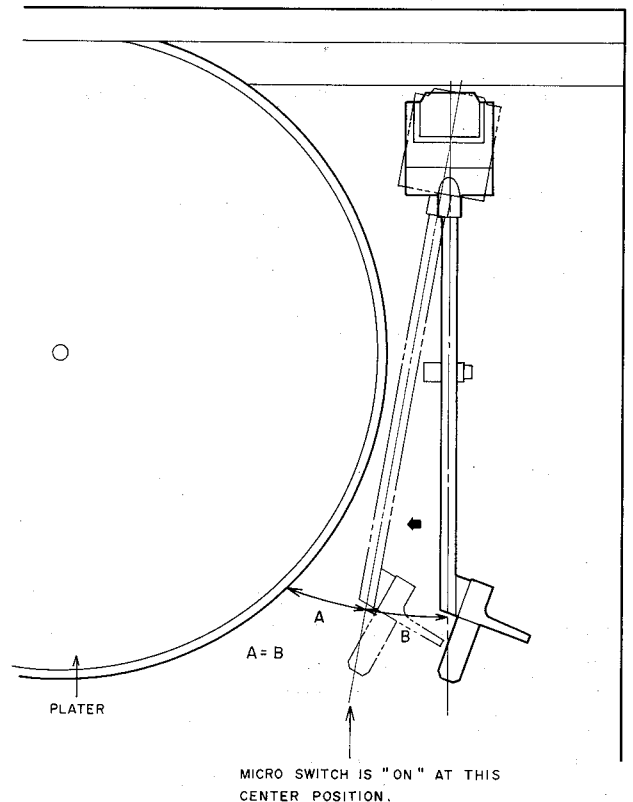


Fig. 5-4

- 1) Lock the Tone Arm on the TONE ARM REST.
- 2) Loosen the Screw (C), and Confirm that the PU LEVER is installed all the way into the Nut (D).

## VI. GENERAL ADJUSTMENT

### 6-1 TONE ARM LIFTER HEIGHT ADJUSTMENT (Refer to Fig. 6-1, 6-2)

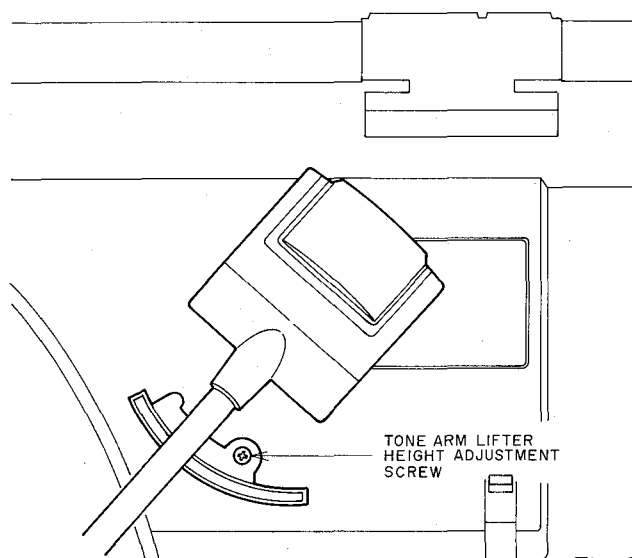


Fig. 6-1

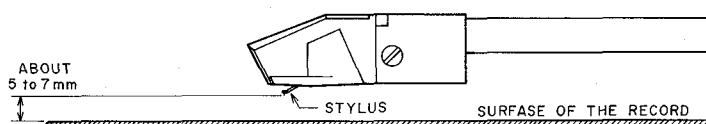


Fig. 6-2

With the Tone Arm in the up-position, the stylus should be about 6 mm above the surface of the record.  
If it is not, adjust the height by adjusting the TONE

ARM HEIGHT ADJUSTMENT SCREW.

Clockwise: Down

Counterclockwise: Up

### 6-2 AUTO-RETURN ADJUSTMENT (Refer to Fig. 6-3)

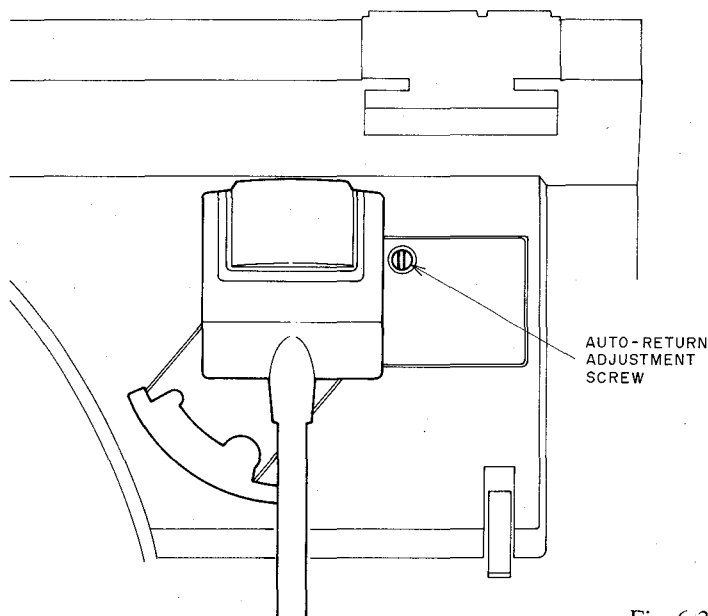


Fig. 6-3

If the Tone Arm does not return automatically to the TONE ARM REST at the end of record.

Adjust Auto-return Adjustment screw as follow.

\* If the tone arm return before the end of the record  
→ Turn the Auto-Return Adjustment Screw Clock-  
wise.

\* If the tone arm does not return at the end of record  
→ Turn the Auto-Return Adjustment Screw Counter-  
clockwise.

**CAUTION:** Do not turn the Auto-Return Adjustment screw too much.

## VII. ELECTRICAL ADJUSTMENT

### 7-1 SPEED ADJUSTMENT

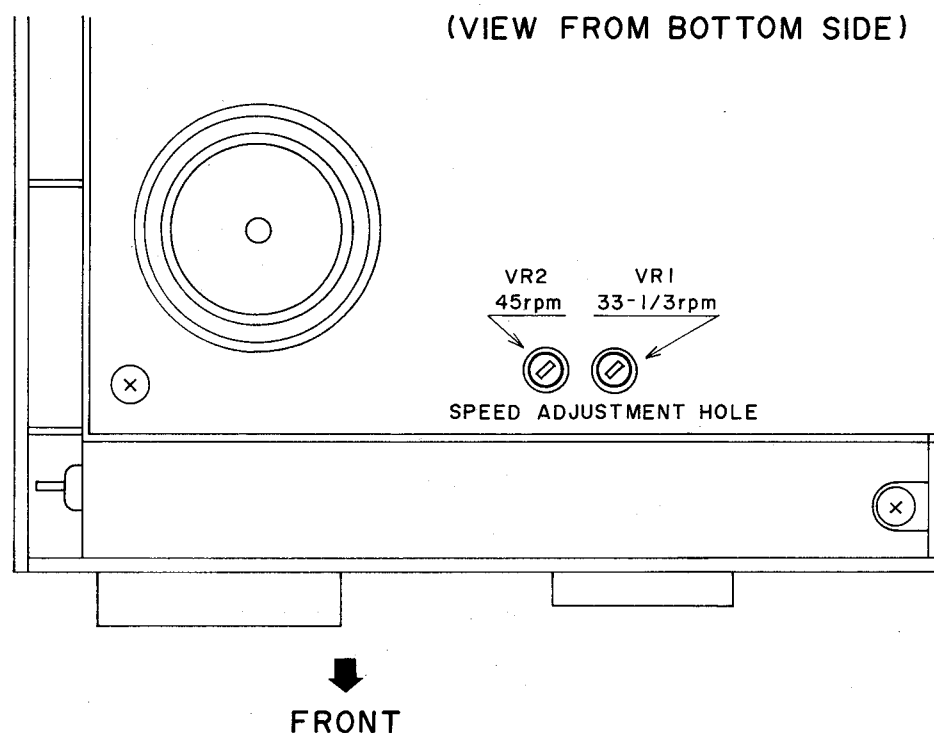


Fig. 7-1 Speed Adjustment Points

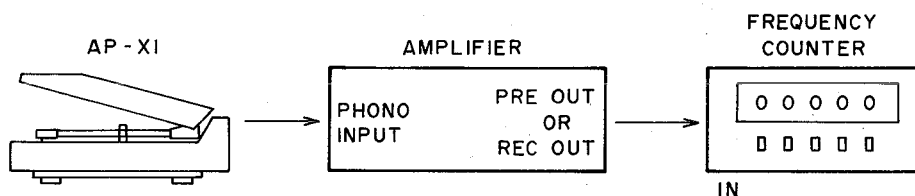


Fig. 7-2 Instruments Connection

- 1) Connect a Amplifier and Frequency counter as shown in Fig. 7-2.
- 2) Set the Speed Selector to 33-1/3 rpm.
- 3) Play back the Test Record (1000 Hz, 33-1/3 rpm), and Adjust VR1 so that the speed is  $995 \pm 3$  Hz.

- 4) Set the Speed Selector to 45 rpm.
- 5) Play back the Test Record (1000 Hz, 45 rpm), and Adjust VR2 so that the speed is  $1350 \pm 5$  Hz.

**NOTE:** This Speed Adjustment should be adjust 33-1/3 rpm position first then adjust 45 rpm next.

## VIII. PC BOARD TITLES AND IDENTIFICATION NUMBERS

| PC Board Title    | PC Board Number | Remarks  |
|-------------------|-----------------|--|
| POWER PC BOARD    | P1040B501A      |  |
| JUNCTION PC BOARD | P1040B501B      |  |
| SELECTOR PC BOARD | P1040B501C      | <span style="border: 1px solid black; padding: 0 2px;">U</span> model only |
| MOTOR PC BOARD    |                 |  |

---

## SECTION 2

# PARTS LIST

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| 3. MAIN MOTOR PC BOARD .....        | 13 |
| 4. FINAL ASSEMBLY BLOCK .....       | 14 |
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Resistors and Capacitors which are not listed in this parts list, please refer to COMMON LIST FOR SERVICE PARTS.

## ATTENTION

1. When placing an order for parts, be sure to list the parts no., model no., and description. There are instances in which if any of this information is omitted, parts cannot be shipped or the wrong parts will be delivered.
2. Please be careful not to make a mistake in the parts no. If the parts no. is in error, a part different from the one ordered may be delivered.
3. Because parts number and parts unit supply in the Preliminary Parts List may be partially changed, please use this parts list for all future reference.

## HOW TO USE THIS PARTS LIST

1. This Parts List shows the parts that are considered necessary for repairs. Other parts, such as resistors and capacitors, are shown in the "Common List for Service Parts". Select and order such parts from the "Common List for Service Parts".
2. The Recommended Spare Parts shows those parts in the Parts List which are considered particularly important for service.
3. Parts not shown in the Parts List and "Common List for Service Parts" will not be supplied in principle.
4. How to read list
  - a) Mechanism Block
  - b) P.C Board Block

### 2. HEAD BASE BLOCK

| REF. NO. | PARTS NO.     | DESCRIPTION             |
|----------|---------------|-------------------------|
| 2-1x     | BH-T2023A320A | HEAD BASE BLOCK GX-F66R |
| 2-2      | HP-H2206A010A | HEAD R/P PR4-8FU C      |
| 2-3      | ZS-477876     | PAN20x03STL CMT         |
| 2-4      | ZS-536488     | BID20x08STL CMT         |
| 2-5      | ZG-402895     | CS ANGLE ADJUST SPRING  |

SP (Service Parts) Classification  
 A small "x" indicates the inability to show that particular part in the Photo or Illustration.  
 This number corresponds with the individual parts index number in that figure  
 This number corresponds with the Figure Number

### 6. SYS. CON. P.C BOARD BLOCK

| REF. NO.  | PARTS NO.     | DESCRIPTION                     |
|-----------|---------------|---------------------------------|
| 6-1       | BA-T2034A070A | PC SYS CON BLK GX-F44R          |
| 6-IC1     | EI-324536     | IC HD14049BP                    |
| 6-IC2     | EI-336801     | IC MB8841-564M                  |
| 6-IC3     | EI-331661     | IC SN7405N                      |
| 6-IC4     | EI-336725     | IC M54527P                      |
| 6-TR1to4  | ET-200985     | TR 2SC2603 F,G                  |
| 6-TR5to28 | ET-554657     | TR 2SA733A P,Q                  |
| 6-D1      | ED-318292     | D SILICON H 1S2473T-77 T26      |
| 6-D2to4   | ED-308952     | D GERMA V 1K34A-LR F07          |
| 6-D5to10  | ED-318292     | D SILICON H 1S2473T-77 T26      |
| 6-X1      | EI-318384     | OSC X'TAL NC-18C<br>3.579545MHZ |

SP (Service Parts) Classification  
 This reference numbers corresponds with symbol numbers of Schematic Diagrams.

5. Both the kind of part and installation position can be determined by the Parts Number. To determine where a parts number is listed, utilize Parts Index at end of Parts List. It is necessary first of all to find the Parts Number. This can be accomplished by using the Reference Number listed at right of parts number in the Parts Index.

## WARNING

⚠ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.

## AVERTISSEMENT

⚠ IL INDIQUE LES COMPOSANTS CRITIQUES DE SURETE. POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL NE REMPLACER LES COMPOSANTS DONT LE FONCTIONNEMENT EST CRITIQUE POUR LA SECURITE QUE PAR DES PIECES RECOMMANDEES PAR LE FABRICANT.

## RECOMMENDED SPARE PARTS

Because, if the parts listed below are on hand, almost any repair can be accomplished, we suggest that you stock these Recommended Spare Parts Items.

| NO. | PARTS NO.   | DESCRIPTION                     |
|-----|-------------|---------------------------------|
| 1   | BT-354617   | △ TRANS POWER APT-1040-30 (C,A) |
| 2   | BT-354618   | △ TRANS POWER APT-1040-40 (E)   |
| 3   | BT-354619   | △ TRANS POWER APT-1040-50 (B,S) |
| 4   | BT-354616   | △ TRANS POWER APT-1040-70 (U)   |
| 5   | ED-322238   | D SILICON 1B4B41 100/1.0A       |
| 6   | N EI-357879 | IC LA5512                       |
| 7   | ES-337898   | △ SW SLIDE 00120163 01-2 (U)    |
| 8   | ES-325488   | SW MICRO K1                     |
| 9   | ES-353296   | SW SLIDE SSY322                 |
| 10  | N EV-315416 | R S-RIX H D8 3P 103             |
| 11  | N EV-315412 | R S-FIX H D8 3P 502             |
| 12  | MB-302866   | BELT                            |
| 13  | MB-343057   | COVER CUSHION                   |
| 14  | MB-345351   | RUBBER CUSHION                  |

"NOTE" N: New Parts

### SYMBOL FOR DESTINATION

A: AAL (U.S.A)  
 B: UK (England)  
 C: CSA (Canada)  
 E: CEE (Europe)  
 S: SAA (Australia)  
 U: U/T (Universal Area)

## 1. POWER SUPPLY PC BOARD

| REF. NO. | PARTS NO. | DESCRIPTION                               |
|----------|-----------|---|
| 1-D1     | ED-322238 | △ D SILICON 1B4B41 100/1.0A               |
| 1-T1A    | BT-354616 | △ TRANS POWER APT-1040-70 (U)             |
| 1-T1B    | BT-354617 | △ TRANS POWER APT-1040-30 (C,A)           |
| 1-T1C    | BT-354618 | △ TRANS POWER APT-1040-40 (E)             |
| 1-T1D    | BT-354619 | △ TRANS POWER APT-1040-50 (B,S)           |
| 1-1A     | EW-374894 | △ AC CORD 2 CORES VM-0129A, VFF U/T (U)   |
| 1-1B     | EW-207742 | △ AC CORD 2 CORES VM-0238, SPT-1 UC (C,A) |
| 1-1C     | EW-336923 | △ AC CORD 2 CORES KP-419C, LTCE-2F EV (E) |
| 1-1D     | EW-347023 | △ AC CORD LTBS-2F 42/0.15×2 B(B)          |
| 1-1E     | EW-336924 | △ AC CORD 2 CORES KP-560, LTSA02F S (S)   |

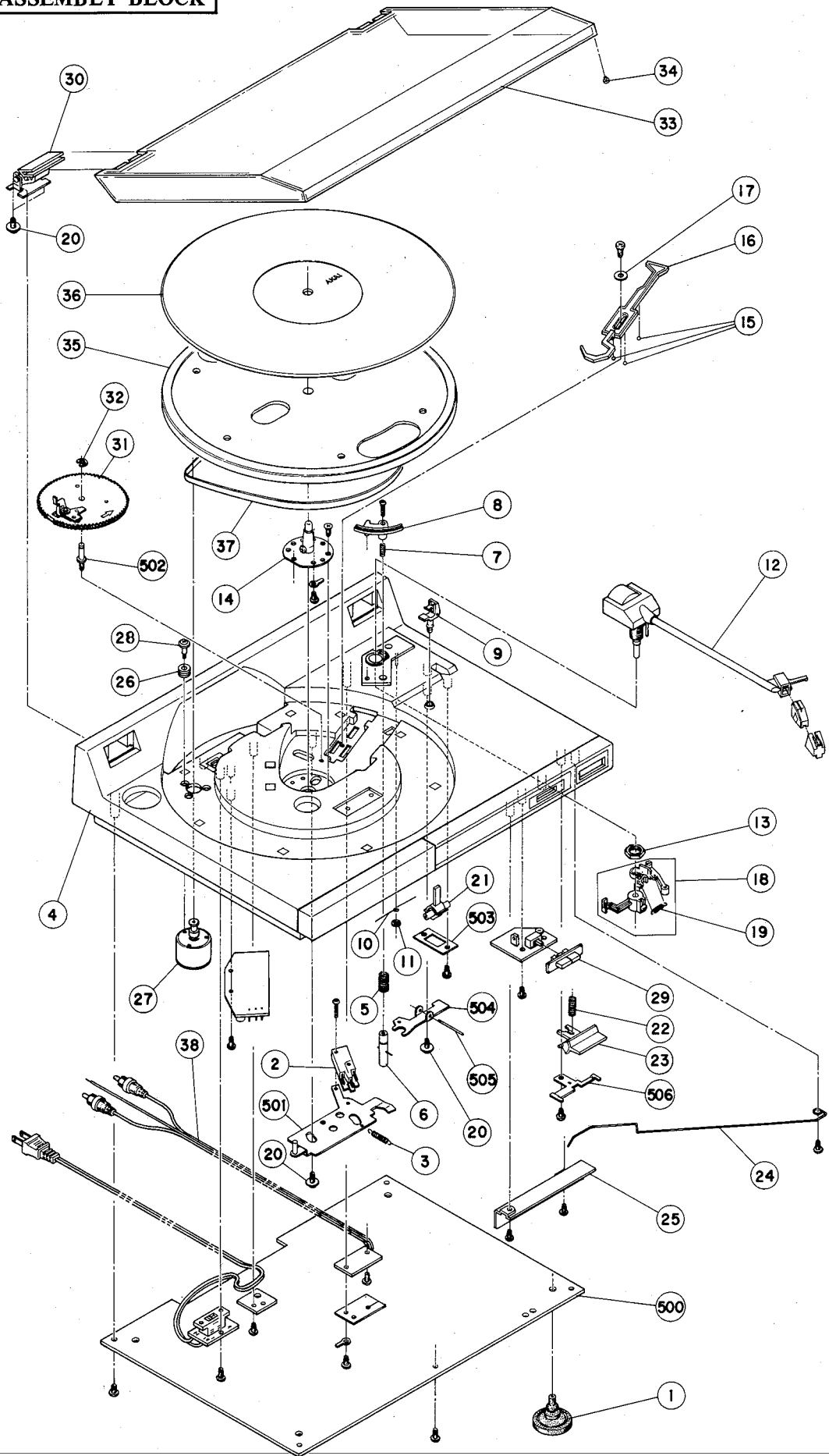
## 2. SELECTOR PC BOARD (U ONLY)

| REF. NO. | PARTS NO. | DESCRIPTION              |
|----------|-----------|--------------------------|
| 2-SW1    | ES-337898 | △ SW SLIDE 00120163 01-2 |

## 3. MAIN MOTOR PC BOARD

| REF. NO. | PARTS NO. | DESCRIPTION         |
|----------|-----------|---------------------|
| 3-IC1    | EI-357879 | IC LA5512           |
| 3-SW1    | ES-353296 | SW SLIDE SSY322     |
| 3-VR1    | EV-315412 | R S-FIX H D8 3P 502 |
| 3-VR2    | EV-315416 | R S-FIX H D8 3P 103 |

# FINAL ASSEMBLY BLOCK





#### 4. FINAL ASSEMBLY BLOCK

| REF.<br>NO. | PARTS NO.     | DESCRIPTION                |
|-------------|---------------|----------------------------|
| 4-1         | SA-332577     | INSULATOR                  |
| 4-2         | ES-325488     | SW MICRO K1                |
| 4-3         | ZG-313073     | SP T1-6.3/0.5-28.0 T1-185  |
| 4-4         | BC-351733A    | CABINET AP-X1              |
| 4-4P        | BC-351733B    | CABINET AP-X1-P            |
| 4-4B        | BC-351733C    | CABINET AP-X1-B            |
| 4-5         | ZG-325402     | SP ELEVATION               |
| 4-6         | MS-353238     | SHAFT ELEVATION            |
| 4-7         | ZG-332548     | SP PUSH (A)                |
| 4-8         | TP-B332568    | ARM ELEVATION PART         |
| 4-9         | TP-B332571    | CLAMPER ARM PART           |
| 4-10        | ZG-353257     | SP TORSION CANCELER        |
| 4-11        | ZW-340648     | RING CS190STL PKR          |
| 4-12        | TP-351625     | TONE ARM ARM-A1            |
| 4-13        | ZW-325521     | N120x170x30STL CMT P100    |
| 4-14        | TP-349346     | SPINDLE ASSY               |
| 4-15        | MV-269965     | BALL 400STL                |
| 4-16        | ML-345348     | LEVER AUTO                 |
| 4-17        | ZW-429120     | PW23x090x050STL CMT        |
| 4-18        | TP-P1037A040A | LEVER PU PLATE BLK AP-A2   |
| 4-19        | ZG-312943     | SP T1-3.2/0.29-11.2 T1-059 |
| 4-20        | ZS-349118     | SCREW W/FLANGE             |
| 4-21        | SK-345362A    | KNOB ELEVATION             |
| 4-21P       | SK-345362B    | KNOB ELEVATION-P           |
| 4-21B       | SK-345462E    | KNOB ELEVATION-B           |
| 4-22        | ZG-313167     | SP C-3.5/0.32-25.0 C-015   |
| 4-23        | SK-351739     | KNOB CUT                   |
| 4-23P       | SK-351739B    | KNOB CUT-P                 |
| 4-23B       | SK-351739C    | KNOB CUT-B                 |
| 4-24        | TP-351738     | LEVER REJECT               |
| 4-25        | SP-351734     | COVER CABINET (EXCEPT BL)  |
| 4-25B       | SP-351734B    | COVER CABINET-B (BL)       |
| 4-26        | MB-345351     | RUBBER CUSHION             |
| 4-27        | BM-354620     | MOTOR BFD2R12              |
| 4-28        | ZS-350767     | SCREW                      |
| 4-29        | SK-351613A    | KNOB SLIDE (EXCEPT BL)     |
| 4-29B       | SK-351613B    | KNOB SLIDE-B (BL)          |
| 4-30        | TP-353712     | HINGE ASSY AP-A2-C         |
| 4-31        | TP-P1034A080A | MAIN GEAR BLK AP-B1        |
| 4-32        | ZW-270101     | RING E300SUP CMT           |
| 4-33        | BC-B353247    | DUST COVER PART            |
| 4-34        | MB-343057     | COVER CUSHION              |
| 4-35        | TP-B348321B   | PLATTER (B) PART           |
| 4-36        | TP-348266B    | TABLE SHEET B              |
| 4-37        | MB-302866     | BELT                       |
| 4-38A       | EW-325492     | CORD 2P AUDIO (EXCEPT A)   |
| 4-38B       | EW-344164     | CORD 2P AUDIO PINx2 (A)    |
| 4-39x       | ZW-345338     | RV POP 32x76 (C,A)         |

#### SYMBOL FOR COLOR VARIATION

NON: STANDARD COLOR

P: PEARL SHADOW

B or BL: BLACK

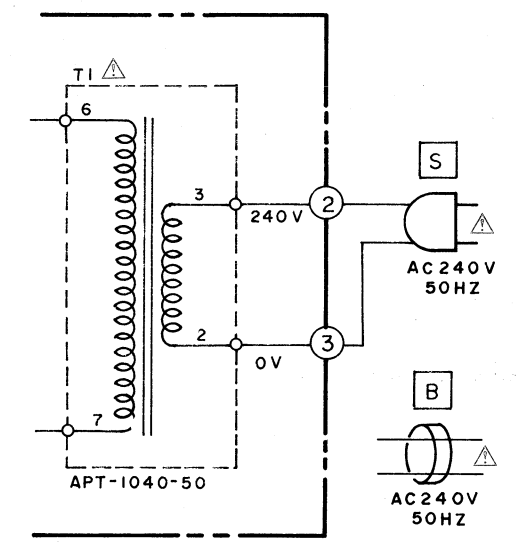
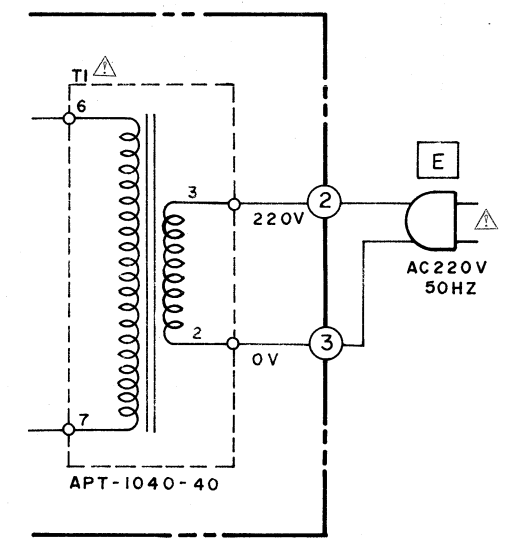
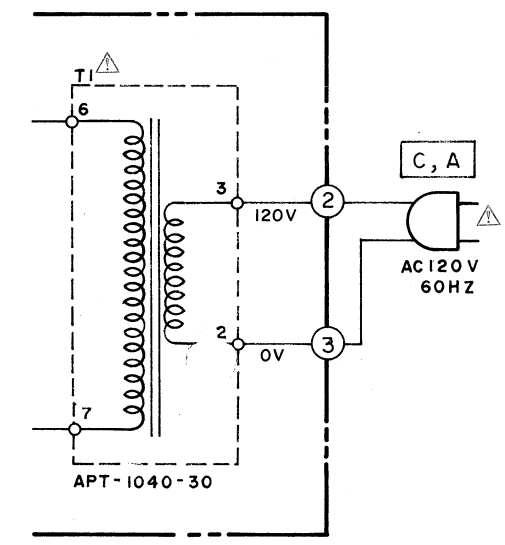
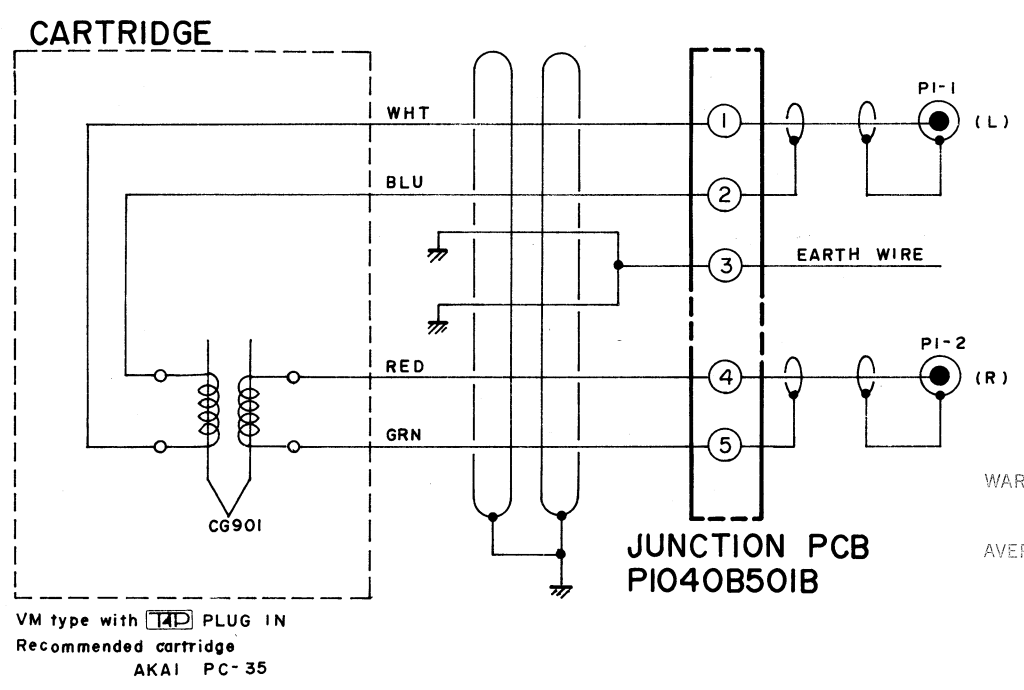
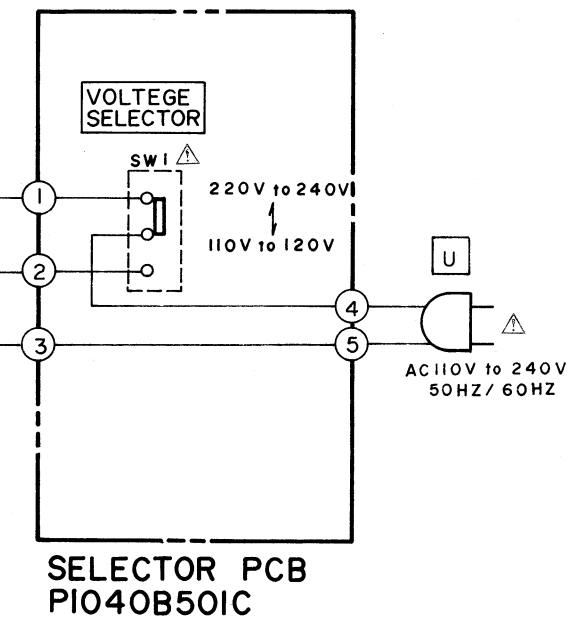
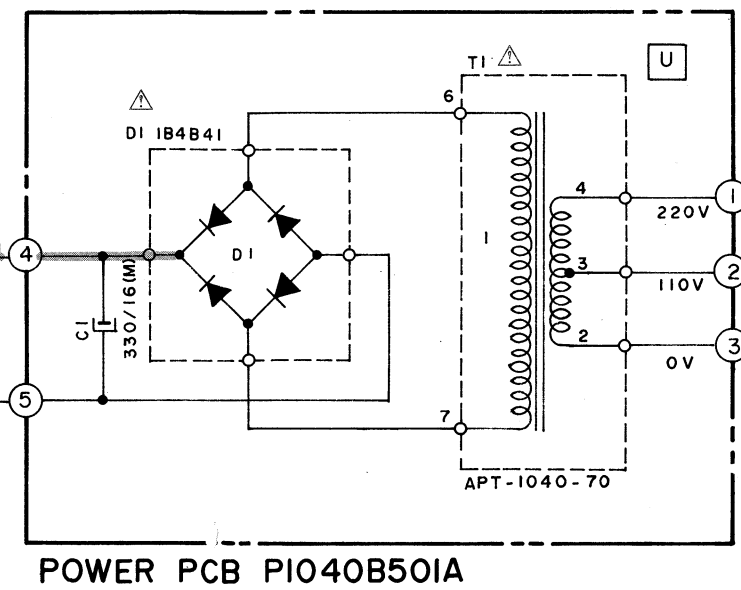
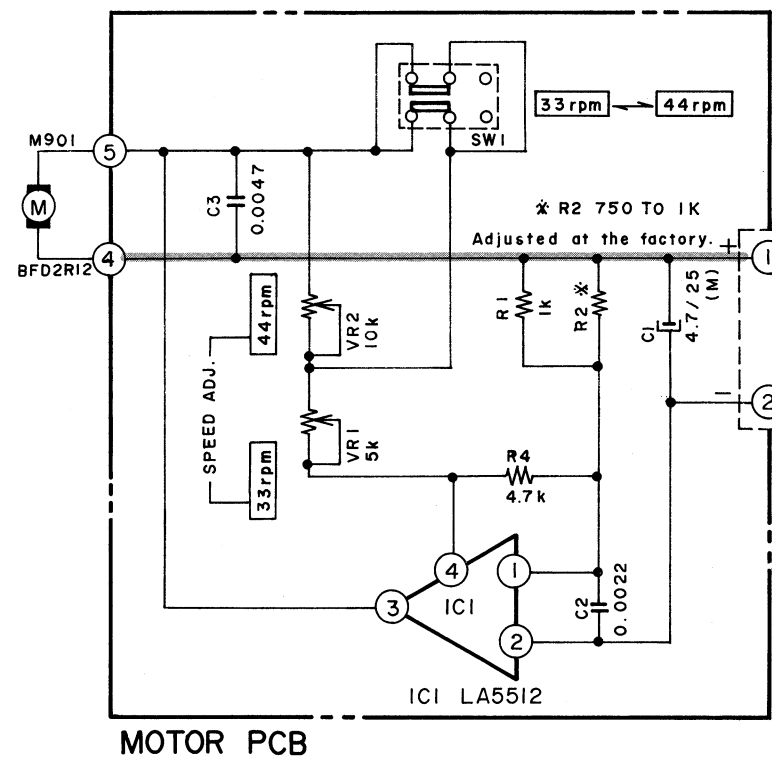
#### NOTE: OPTIONAL ACCESSORIES

CARTRIDGE ..... PC-35

STYLUS ..... RS-33

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| PARTS NO.  | REF. NO. | PARTS NO.  | REF. NO. | PARTS NO.     | REF. NO. | PARTS NO. | REF. NO. |
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| BC-351733A | 4-4      | EW-347023  | 1-1D     | TP-B332571    | 4-9      | ZW-345338 | 4-39x    |
| BC-351733B | 4-4P     | EW-374894  | 1-1A     | TP-B348321B   | 4-35     | ZW-429120 | 4-17     |
| BC-351733C | 4-4B     | MB-302866  | 4-37     | TP-P1034A080A | 4-31     |           |          |
| BM-354620  | 4-27     | MB-343057  | 4-34     | TP-P1037A040A | 4-18     |           |          |
| BT-354616  | 1-T1A    | MB-345351  | 4-26     | TP-348266B    | 4-36     |           |          |
| BT-354617  | 1-T1B    | ML-345348  | 4-16     | TP-349346     | 4-14     |           |          |
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WARNING: INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.

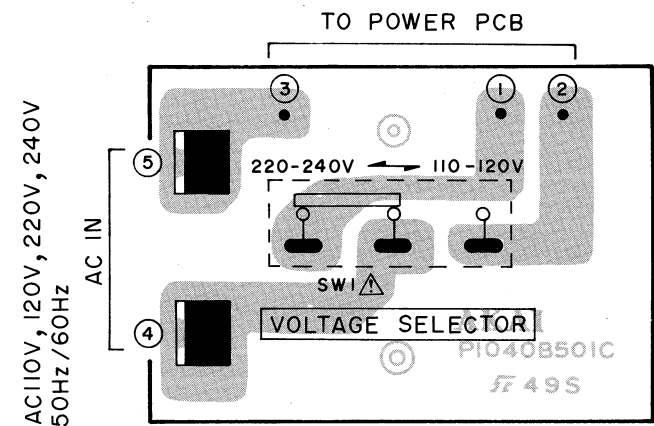
AVERTISSEMENT: IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

NOTE  
UNLESS OTHERWISE SPECIFIED  
ALL RESISTORS IN OHMS 1/4W(J)  
ALL CAPACITORS IN  $\mu$ F 50WV(J)  
POWER TRANSFORMER IS DIFFERENT  
ACCORDING TO AREA

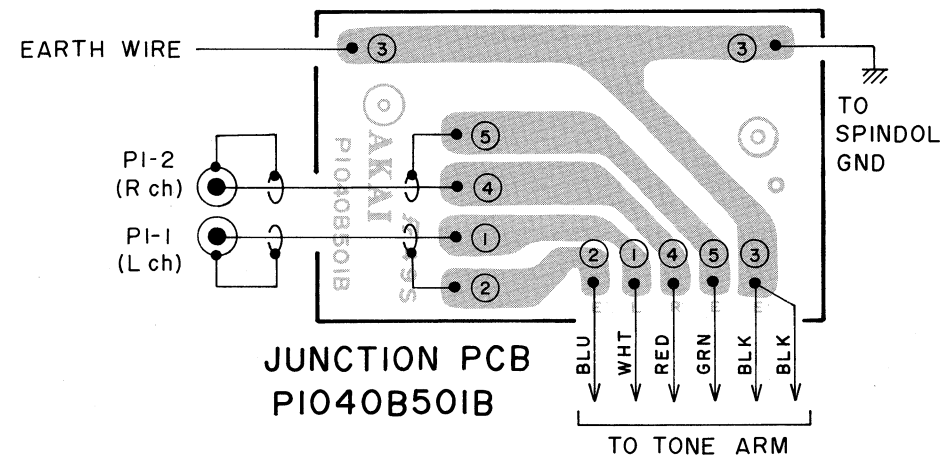
AP-XI/C  
SCHEMATIC DIAGRAM  
No. 840809A (A3)

— B (POWER SUPPLY) LINE

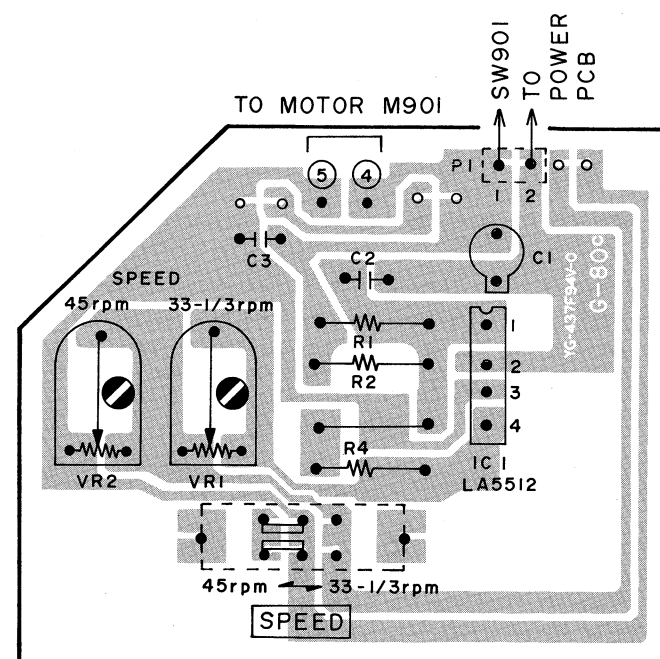
# AKAI MODEL AP-X1/C PC BOARD SCHEMATIC DIAGRAM



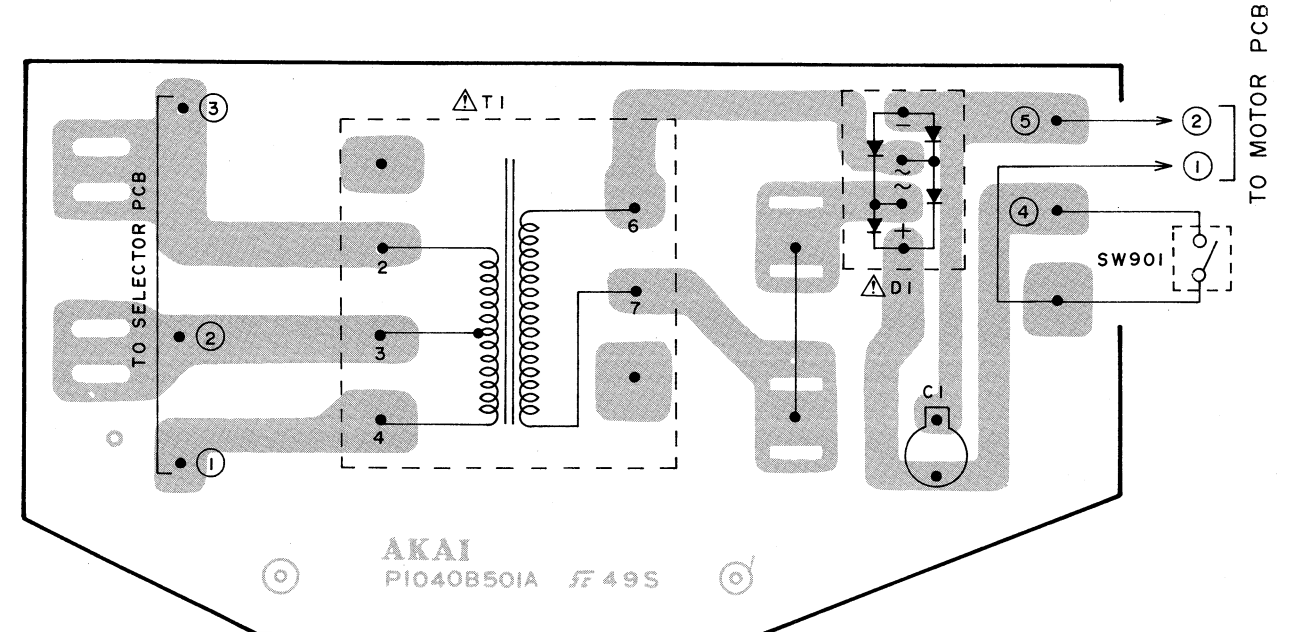
SELECTOR PCB PI040B501C  
[U] MODEL ONLY



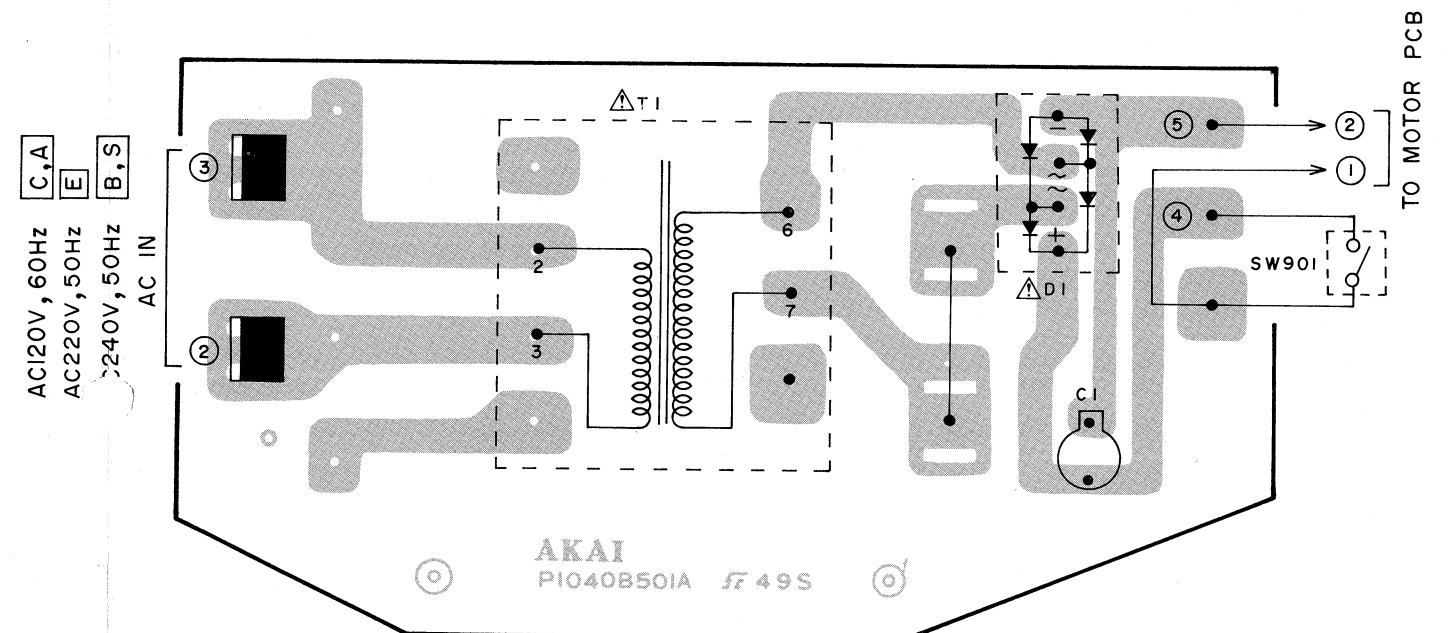
JUNCTION PCB  
PI040B501B



MOTOR PCB



POWER PCB PI040B501A [U] MODEL



POWER PCB PI040B501A [C,A,E,B,S] MODELS

WARNING: ⚠ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.  
AVERTISSEMENT: ⚠ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.